

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION
EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la Propriété
Intellectuelle
Bureau international



(43) Date de la publication internationale
18 mars 2004 (18.03.2004)

PCT

(10) Numéro de publication internationale
WO 2004/023084 A1

(51) Classification internationale des brevets⁷ :
G01F 1/704, G21H 5/02

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(21) Numéro de la demande internationale :
PCT/FR2003/002657

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(22) Date de dépôt international :
5 septembre 2003 (05.09.2003)

(25) Langue de dépôt : français

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(26) Langue de publication : français

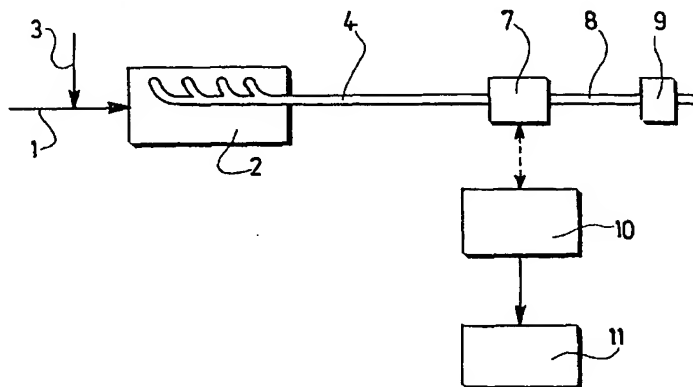
(30) Données relatives à la priorité :
02/11050 6 septembre 2002 (06.09.2002) FR

(81) États désignés (national) : AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG,

[Suite sur la page suivante]

(54) Title: METHOD AND DEVICE FOR CONTINUOUS DETERMINATION OF LUBRICATING OIL CONSUMPTION OF AN INTERNAL COMBUSTION ENGINE

(54) Titre : PROCEDE ET DISPOSITIF POUR LA DÉTERMINATION EN CONTINU DE LA CONSOMMATION EN HUILE LUBRIFIANTE D'UN MOTEUR A COMBUSTION INTERNE



(57) Abstract: The invention relates to a method and device for the continuous determination of the lubricating oil consumption of an internal combustion engine. The inventive method consists in: placing a determined quantity of at least one radioactive tracer in the lubricating oil of which the consumption is to be measured; and measuring the quantity of radioactive tracer(s) present in the gases released from the engine (2), said measurement being taken downstream of the engine. According to the invention, the quantity of radioactive tracer(s) of the lubricating oil present in the gases released from the engine (2) is measured as follows: the gases are brought into contact with a trap (7) which can physically trap the radioactive tracer particles, the radiation from the trap is measured using a detector (10) which is sensitive to radiation emitted by the trapped radioactive tracer(s) and the measurements taken by the detector (10) are sent to a programmed computer which can convert said measurements into the lubricating oil consumption rate of the engine.

[Suite sur la page suivante]

WO 2004/023084 A1